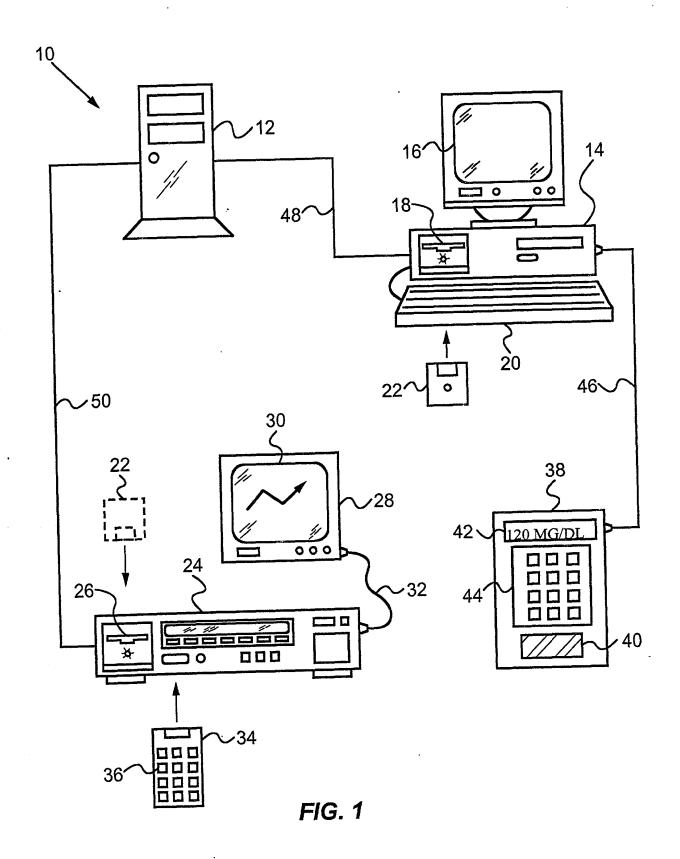
Attorney Docket: HERO-1-1112 Serial No.: Not yet assigned Date Filed: March 16, 2001 Title: DISEASE SIMULATION SYSTEM

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<b>PHYSIOLOGICAL</b>	<b>PARAMETERS</b>	<b>ENTRY</b>	SCREEN
----------------------	-------------------	--------------	--------

BODY MASS (KG):

<u>78</u> ~ 43

METABOLISM RATE:

HIGH

OK \\_45

FITNESS LEVEL:

LOW

CANCEL ~4

**INSULIN SENSITIVITIES:** 

HEPATIC (SH)

0.4

PERIPHERAL (SP)

0.6

FIG. 2

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## SELF-CARE PARAMETERS ENTRY SCREEN DINNER LUNCH FOOD EXCHANGES: **BREAKFAST** 12:00 18:00 TIME (HH:MM) 08:00 51 30 40 CARBOHYDRATE (G) 40 53 DOSE 3 DOSE 1 DOSE 2 **INSULIN INJECTIONS:** 18:00 12:00 08:00 TIME (HH:MM) 10 12 DOSE (UNITS) **SESSION 3** SESSION 2 **SESSION 1 EXERCISE:** 15:00 TIME (HH:MM) **DURATION** (15 MIN. UNITS) 55\ **CANCEL** OK

FIG. 3

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t	R(t)	X(t)	$S_1(t) - O_1(t)$	$S_2(t) - O_2(t)$	$S_3(t) - O_3(t)$	к <sub>1</sub>	К2	К3
8:00	80	80	0	0	0	4	-40	-5
10:00	160	160	0	0	0	4	-40	<b>-</b> 5
12:00	100	100	0	0	0	4	-40	-5
15:00	140	140	· 0	0	0	4	-40	-5
18:00	100	100	0	0	0	4	-40	-5
20:00	180	180	0	0	0	4	-40	-5
22:00	120	120	0	0	0	4	-40	-5

FIG. 4

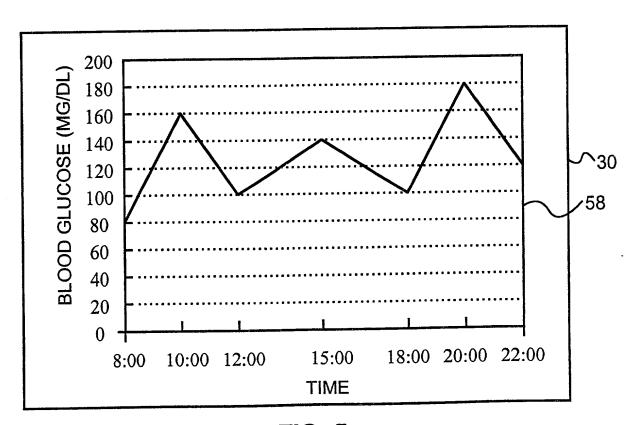


FIG. 5

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t	R(t)	X(t)	$S_1(t) - O_1(t)$	$S_2(t) - O_2(t)$	$S_3(t) - O_3(t)$	К1	к <sub>2</sub>	К3
8:00	80	80	10	0	0	4	<b>-4</b> 0	-5
10:00	160	200	0	0	0	4	-40	-5
12:00	100	140	0	0	0	4	-40	<b>-</b> 5
15:00	140	180	0	0	4	4	-40	-5
18:00	100	120	0	0	0	4	-40	<b>-</b> 5
20:00	180	200	0	0	0	4	-40	-5
22:00	120	140	0	0	0	4	-40	-5

FIG. 6

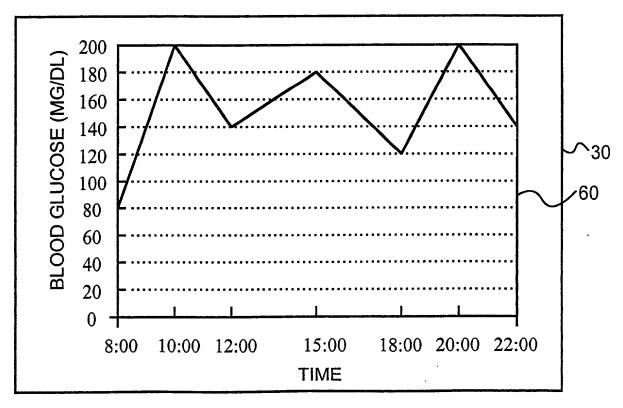


FIG. 7

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t	R(t)	X(t)	$S_1(t) - O_1(t)$	$S_2(t) - O_2(t)$	$S_3(t) - O_3(t)$	к <sub>1</sub>	К2	К3
8:00	80	80	10	0	0	4	-40	-5
10:00	160	200	0	1	0	4	-40	-5
12:00	100	100	0	0	0	4	-40	-5
15:00	140	140	0	0	4	4	-40	-5
18:00	100	80	5	0	0	4	-40	-5
20:00	180	180	0	0	0	4	-40	-5
22:00	120	120	0	0	0	4	-40	<b>-</b> 5

FIG. 8

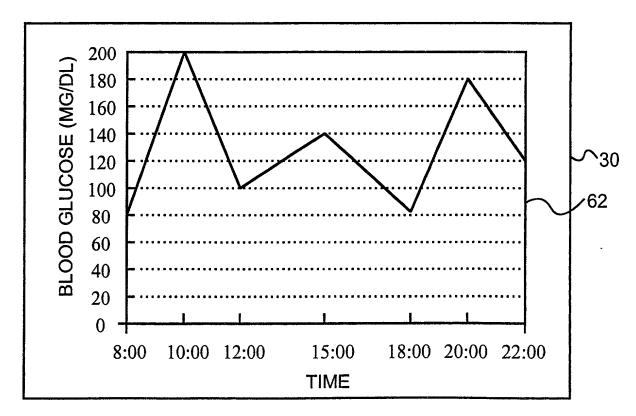
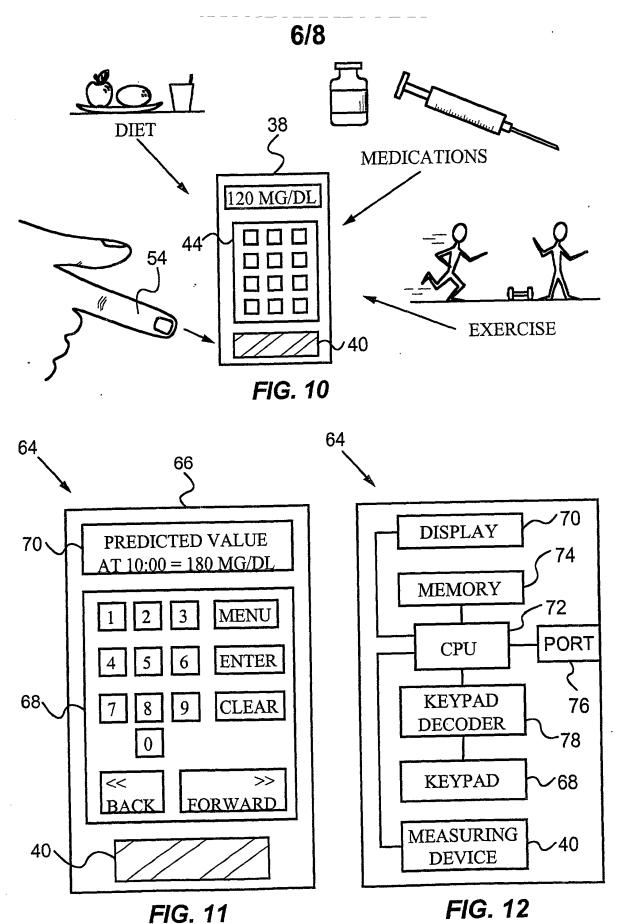


FIG. 9

Title: DISEASE SIMULATION SYSTEM

AND METHOD



Title: DISEASE SIMULATION SYSTEM

AND METHOD

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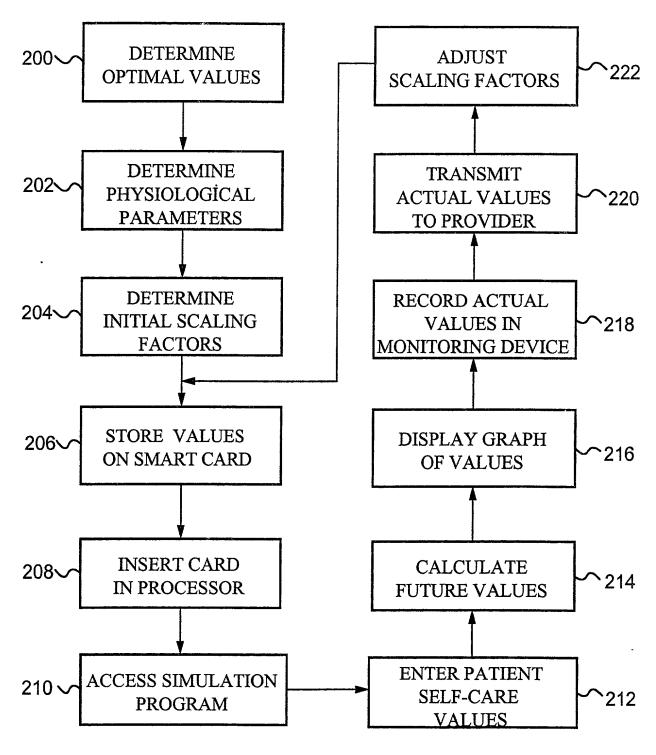


FIG. 13

Title: DISEASE SIMULATION SYSTEM

AND METHOD

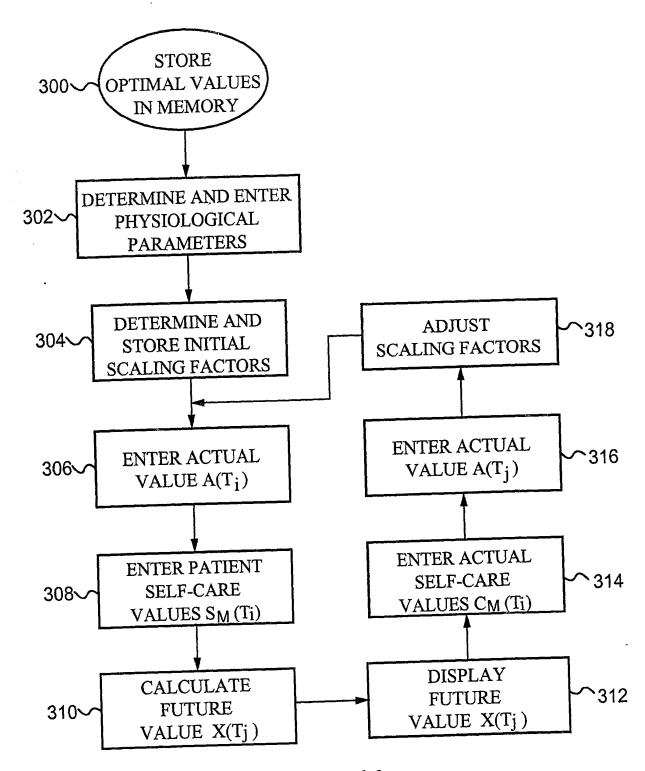


FIG. 14